

## Abstract

Adaptive cruise control system for motor vehicles, having a sensor system (12) for acquiring data concerning a target object (18) and concerning the own vehicle (10), an actuator system (16) for controlling the longitudinal movement of the vehicle (10), a controller (14) that intervenes in the actuator system (16) within certain intervention limits (Lim1, Lim2) in order to maintain a defined, controlled target distance from the target object (18), and an output device (20) for issuing a takeover request (FÜA) to the driver if the controlled target distance cannot be maintained, characterized by a prediction system (22) for predicting a conflict situation in which the controlled target distance cannot be maintained, and for initiating the takeover request (FÜA) before the conflict situation occurs.

(Fig.)